Appl. No. 10/599,539

Amdt. Dated December 28, 2010

Attorney Docket No. 374611-000575 Customer No. 73230

Reply to Final Office Action of September 1, 2010

Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1. (Currently amended) A solar cell element comprising:

a substrate for the solar cell element comprising a light receiving surface; and

a surface electrode on the light receiving surface;

wherein the light-receiving-surface surface electrode comprises at least three

surface bus bar electrodes[[,]] and a plurality of finger electrodes connected to

adjacent surface bus bar electrodes of the at least three surface bus bar electrodes,

wherein at least one of the plurality of finger electrodes is directly connected to two

or more of the at least three surface bus bar electrodes, and

wherein each of the at least three surface bus bar electrodes has widths of not

less than 0.5 mm and not more than 2 mm, and the finger electrodes have widths of

not less than 0.05 mm and not more than 0.1 mm, and

wherein the at least three surface bus bar electrodes comprise a first, a

second-and-a-third-surface-bus-bar-electrode, the-second-and-the-third-surface-bus

bar-electrodes-are respectively located on both sides of the first bus bar electrode

with a gap and are arranged symmetrically with each other with respect to the first

surface bus bar electrode.

2. (Previously presented) The solar cell element according to claim 1,

wherein the substrate for the solar cell element has a rectangular shape whose one

side is not less than 100 mm and not more than 350 mm in length, and another side

is not less than 100 mm and not more than 350 mm in length.

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3. (Previously presented) The solar cell element according to claim 1, wherein the finger electrode has widths of not less than 0.06 mm and not more than 0.09 mm.

4. (Canceled)

- 5. (Previously presented) The solar cell element according to claim 1, wherein the substrate for the solar cell element comprises on the light receiving surface side thereof an opposite conductivity-type diffusion layer having a sheet resistance of not less than $60\Omega/\Box$ and not more than $300\Omega/\Box$.
- 6. (Previously presented) The solar cell element according to claim 1, wherein the substrate of the solar cell element include on the light receiving surface side thereof fine irregularities having widths and heights of 2 µm or less and an aspect ratio of 0.1-2.

7. (Canceled)

8. (Previously presented) The solar cell element according to claim 1, wherein the substrate for the solar cell element comprises a semiconductor region in a side of the light receiving surface thereof, the plurality of finger electrodes are located on the light receiving surface with the semiconductor region interposed therebetween, and an edge line of a contact surface, contacting any one of the plurality of finger electrodes with the semiconductor region, comprises a rugged contour in a plane direction of the light receiving surface with a planar view of the substrate.

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9. (Previously presented) The solar cell element according to claim 8, wherein when an area of the contact surface between the finger electrodes and the semiconductor region is represented by S₁, an average value of distances between the edge lines of the contact surface within each cut surface formed by cutting at a plurality of cut planes that are generally perpendicular to the direction of electric current flowing through the finger electrode is represented by d₁, and an entire length of the edge lines is represented by L₁, the solar cell elements each include at least one finger electrode where the values S₁,d₁, and L₁ satisfy the following relationship:

$$0.5L_1(S_1 \cdot d_1 \cdot 1 + d_1) \cdot 1 > 1.2$$

10. (Previously presented) The solar cell element according to claim 8, wherein the profile of the edge lines of the contact surface includes at least a part where the edge lines are asymmetric with respect to a center line of the finger electrode forming the contact surface that runs in the same direction as the direction of electric current flowing through the finger electrode.

11-12. (Canceled)

- 13. (Previously presented) A solar cell module comprising a plurality of the solar cell elements connected to each other, each solar cell element is according to claim 1.
 - 14. (Withdrawn) A solar cell module comprising:

at least two solar cell strings, each solar cell string comprises a plurality of solar cell elements, and adjacent solar cell elements of the plurality of solar cell elements are electrically connected to each other with wiring members respectively; Appl. No. 10/599,539

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a connecting member that electrically interconnects adjacent solar cell

strings of the at least two of solar cell strings,

wherein the connecting member interconnects the adjacent solar cell strings

with each other at a back side of the adjacent solar cell strings.

15-16. (Canceled)

17. (Withdrawn) The solar cell module according to claim 14, wherein the

spacing between the plurality of solar cell elements is not less than 70% and not

more than 143% of the widths of the wiring members.

(Withdrawn) The solar cell module according to claim 14, wherein all 18.

the widths of the wiring members viewed from the light receiving surface side are

identical.

19. (Withdrawn) The solar cell module according to claim 14, wherein the

widths of the wiring members are not less than 0.8 mm and not more than 2.0 mm.

20. (Withdrawn) A photovoltaic power generator comprising: a plurality of

the solar cell modules connected to each other, each solar cell module is according to

claim 14.

21.(Previously presented) The solar cell element according to claim 1,

wherein the first bus bar electrode is disposed on a center region of the substrate for

the solar cell element, with a planar view of the substrate.

22. (Previously presented) The solar cell element according to claim 1,

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further comprising a back surface electrode on a non-light receiving surface of the substrate, the non-light receiving surface is at opposite side to the light receiving surface,

wherein the back surface electrode comprises at least three back bus bar electrodes which are apart from each other and comprises a first, second and third back bus bar electrodes, and

wherein the first, second and third back bus bar electrodes are located directly below the first, second and third surface bus bar electrodes respectively with the substrate interposed therebetween.

23. (New) The solar cell element according to claim 1, wherein all of the plurality of finger electrodes are directly connected to two or more of the at least three surface bus bar electrodes.